NRCS Natural Resources Conservation Service

Producer Agreement
Minnesota Nutrient Management Initiative
2008 Crop Year

The Agricultural Producer agrees to follow the attached Nutrient Management Initiative protocol to conduct a nutrient management on-farm demonstration during the 2008 cropping season. The protocol is also located on the Minnesota Department of Agriculture website: **www.mda.state.mn.us/protecting/soilprotection/nmi.htm**

In exchange for payment, the undersigned producer agrees:

1. To select and work with a Certified Crop Consultant on plot design and layout, rate determination and yield measurement at harvest.
2. To share payment with the selected consultant (amount and payment schedule to be determined by producer and consultant).
3. To dedicate adequate areas to this demonstration as described in the project protocol.
4. To apply nitrogen or phosphorous in alternating strips with respective rates specific to the trial design as defined in the field trial protocol.
5. To provide proposed site nutrient application information to NRCS prior to applications (Use attached "anticipated applications" form). If possible, provide this information at the same time you return the agreement you are reading to NRCS.
6. To deliver complete site management information to local NRCS Field Office by July 1, 2008 (form found at **www.mda.state.mn.us/protecting/soilprotection/nmi.htm)**
7. To deliver site harvest and yield information to local NRCS Field Office by December 1, 2008 (form found in **www.mda.state.mn.us/protecting/soilprotection/nmi.htm**).
8. To work with the project staff to determine profitability for rates used in the demo site.
9. To request payment after submittal of harvest and yield information by signing USDA form CCC-1245 at the respective NRCS Field Office.

In return for the producer's performance, the producer will receive $1,200.00.

Agricultural Producer:

Name_____ Signature_____ Date_____

Address_____City_____

Phone_____ Cell Phone _____Email_____

Plot Location: County _____ Township _____ Section _____

Indicate: ☐ Nitrogen Demo Site → ☐ Fall **or** ☐ Spring Applied N
☐ **New Corn Site or** ☐ 2nd or 3rd year continuation site on corn
☐ Phosphorous Demo Site
☐ **New corn site or** ☐ 2nd or 3rd year continuation site on corn or soybeans

Crop Advisor
Name: _____ Contact Information: _____

_____

This signed agreement must be on file in your local County NRCS Office in order for NRCS to develop your EQIP contract.

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Minnesota Nutrient Management Initiative

Anticipated Nutrient Applications

Producer: _____

Date: _____

☐ **Nitrogen Demo Site** → ☐ Fall **or** ☐ Spring Applied N
☐ **New Corn Site or** ☐ 2nd or 3rd year continuation site on corn

☐ **Phosphorous Demo Site**
☐ **New corn site or** ☐ 2nd or 3rd year continuation site on corn or soybeans

Demo Site Preliminary Soils Information	
Soil Test Date:	
Phosphorous Results Bray ☐	
Olsen ☐	
pH	
Organic Matter (o.m.)	

Previous Crop History	2007	2006	2005
Crop			
Yield			

***Proposed Treatment A*—NRCS Guidelines Application ***

Nutrient Source	Rate/Acre	Application Date	Timing	Placement	N total lbs./A	P2O5 total lbs./A	K2O total lbs./A
				Total			

***Proposed Treatment B*—Farmer Comparison Application ***

Nutrient Source	Rate/Acre	Application Date	Timing	Placement	N total lbs./A	P2O5 total lbs./A	K2O total lbs./A
				Total			

***** P_2O_5 and K_2O total pounds should be the same for Treatment A and B on N demonstration sites; and N and K_2O rates should be the same for Treatment A and B on P_2O_5 demonstration sites.

Return to your County NRCS Office for review prior to nutrient applications

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Minnesota Nutrient Management Initiative 2008 Crop Season Protocol

NRCS Natural Resources Conservation Service

NRCS is an equal opportunity provider and employer.

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MINNESOTA DEPARTMENT OF AGRICULTURE
FROM THE FARM TO YOUR FAMILY

Minnesota Department of Agriculture is an equal opportunity provider and employer.

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Web address: **www.mda.state.mn.us/protecting/soilprotection/nmi.htm**

Revised Sep-07

Minnesota Nutrient Management Initiative

Table of Contents

Introduction to the Minnesota Nutrient Management Initiative

The Minnesota Nutrient Management Initiative is designed to enable farmers and certified crop advisers the ability to evaluate current Natural Resources Conservation Service (NRCS) in Minnesota and University of Minnesota nutrient guidelines for nitrogen and phosphorous on corn. The objective of this project is to establish replicated strips comparing two rates of nitrogen or phosphorous on farms located within southern Minnesota. Data results from these on farm demonstration sites will be useful for;

1. Farmers to compare and evaluate current nutrient management practices to guidelines recommended by the USDA Natural Resources Conservation Service (NRCS);
2. Provide a uniform approach over a broad geographical area comparing different nutrient management practices and evaluating economic outcomes and;
3. To assist NRCS in adjusting future nutrient management guidance

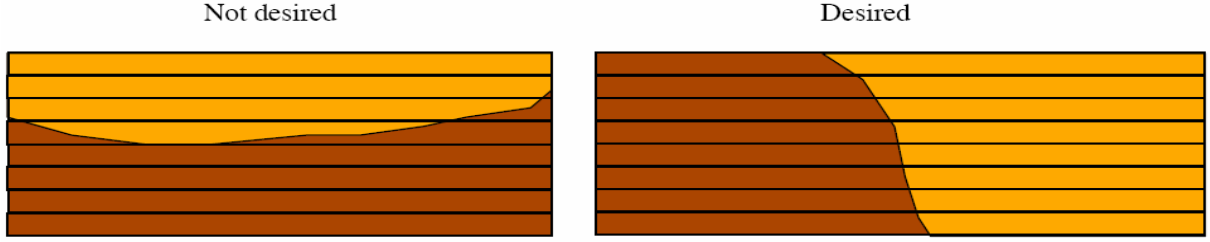
Eligible Counties

This program is intended for counties in southern Minnesota. Special emphasis for counties located within south-central nitrogen best management practices (BMP's) region and selected watersheds located in southern Minnesota. (Blue Earth, Redwood, Root, and Vermillion River Watersheds)

South-central nitrogen (BMP's) www.extension.umn.edu/distribution/cropsystems/DC6127.html
South-east nitrogen (BMP's) www.extension.umn.edu/distribution/cropsystems/DC6126.html

General Site Protocol Information

- Notify local NRCS Office of your intent to participate. Participants must have a signed Producer Agreement with NRCS prior to proceeding with this demonstration. If you don't have a signed agreement you are not eligible for this program.
- **Certified Adviser:** Individual assisting participating farmer must be—NRCS Technical Service Provider or Certified Crop Adviser (CCA) or Certified Professional Agronomist (CPAg) or Certified Professional Crop Consultant (CPCC)
- Farmers participating in this project will be compensated $1200 upon completion of crop management requirements and submittal of harvest information for crop year 2008 for new or continuing nitrogen or phosphorous demonstration plots on corn; or crop year 2008 phosphorous demonstration plots continued on soybeans from crop year 2007 corn plots.
- This reimbursement is intended to be shared between the farmer and the farmer's advisor.
- No manure applications or alfalfa within last 5 years
- Fertile soils. Existing Soil Test P levels should be ≥ 16 ppm Bray P1 (12 Olsen) and existing soil test K levels should be ≥ 121 ppm
- Corn/Soybean rotation or Corn/Corn/Soybean rotation
- Corn only grown for grain.
- Fairly uniform terrain. A field that has straight rows (no contours or curved rows) is preferred
- The field can have variability of soil type, topography, etc. as long as the variability goes perpendicular to the rows. Field uniformity is desirable.



General Site Protocol (cont.)

- Complete an approved soil test. Current soil test sampled after September 15, 2007 and must be representative of demonstration site location.
- Soil tests collected by certified advisor prior to fertilizer applications. Follow NRCS soil sampling guidelines www.mn.nrcs.usda.gov/technical/ecs/nutrient/plant%20nutrient/plantnutrient.htm
- Soil test analyzed by an MDA approved soil testing lab
- Except for different nitrogen or phosphorous application rates, all other management practices should remain constant across the trial area (same hybrid, planting date, planting population, pest management, tillage, etc...).
- Strips delineated by farmer and certified adviser prior to fertilizer applications, identified within the field and on an appropriate map.
- Individual data results from this project will be kept confidential and used only as a pool of data for educational purposes unless prior permission granted by participant
- USDA-NRCS makes no other guarantees for economic losses as a result of participating with this demonstration project.

Farmer Requirements and Field Management

- Participating farmers must have a certified crop adviser help with this demonstration and a signed Producer Agreement submitted to NRCS prior to proceeding.
- Participating farmer must have a willingness to evaluate their currently applied nutrient applications to recommended USDA-NRCS requirements.
- Provide a high to very high testing phosphorous field site that has a high yield potential with no history of manure or alfalfa within the past 5 years.
- Minimize variables within rate strips and keep as consistent as possible. All management practices should remain constant across the rate strips except for different nutrient applications as outlined in nitrogen and phosphorous protocols.
- If field operations are made by someone other than the participating farmer, operations must be made according to established protocol and verified by participating farmer.
- Tillage and planting operations performed under optimum soil conditions.
- Tillage, planting, harvesting, nutrient and pesticide applications on all strips must be completed within the same time frame. Equipment calibrated and in good operating condition.
- Keep good records for all field operations.
- Assist certified adviser with crop management information and harvest data information; verify that information is accurate and insure information is submitted in a timely manner.
- Information collected and submitted for this project will be kept confidential and used only as a pool of information for educational and analysis purposes. Individual participant information will only be available through written permission of the participant.

Submittal Information and compensation

- Crop adviser and farmer submit “Anticipated Nutrient Applications” form for quick review prior to applications. Farmer must sign an EQIP contract at local NRCS Field Office.
- Adviser submits complete Crop Management Information to local NRCS Field Office prior to **July 1, 2008.**
- Harvest Data Information submitted by Crop Adviser to local NRCS Field Office by **December 1, 2008.** Participating farmer requests payment by signing USDA form CCC 1245 after harvest data information has been submitted. NRCS issues participating farmer payment of $1200.

Certified Adviser Requirements

Certified Crop Adviser or Certified Professional Agronomist (CPAg) must meet current certification requirements as established by the American Society of Agronomy. Certified Professional Crop Consultant (CPCC) must be current certification requirements as established by the National Alliance of Independent Crop Consultants. NRCS-Registered Technical Service Providers (TSP's) are preferred.

Assist Farmer on Site Establishment

- Help farmer establish strips in participating field(s), following project protocols
- Avoid areas that have variable soil types, slopes, irregular boundaries, variable fertility and/or tile lines running parallel to the row.
- The adviser must validate the check strip locations with flags, markers, or other identifiable means. (Markers must be identifiable at time of harvest)
    - GPS strip coordinates if possible.

Submit Proposed Nutrient Management Applications to NRCS staff prior to applications

- Previous crop, proposed rates, timing, and form of N, P2O5, and K2O applications on treatments A and B.
- Project staff verifies that protocol is understood.

Submit Crop Management Information by July 1, 2008 using provided forms

Information Required

1. Site location to include county, township, section number and sub-section.
2. Aerial photos of area with site locations delineated including location of check strips.
3. Previous crop history.
4. Copy of soil test results (*from MDA approved lab*).
5. Manure/alfalfa history (*last 5 years – No or Yes*)
6. Tillage system used for the demonstrations.
7. Nutrient application rates of all amendments applied.
8. Current pesticide application history
9. Planting date.
10. Planting population.
11. Hybrid.
12. Planter size and row spacing.
13. Problems encountered or mistakes made e.g. unexpected pest infestation or wet soil conditions affecting operations and planting.

- Submit to local NRCS Field Office.

Submit Harvest Data Information by December 1, 2008 using provided forms

- Certified adviser must be present at harvest, verify, and document yield information according to established protocol.
- Certified adviser must validate strip locations and record yield data results accordingly.
- Grain weight determined using same weighing equipment. (load cells, platform scales, etc.)
- Certified adviser must insure combine separator and grain tank is empty prior to and after harvesting each replicated strip.
- Yield, moisture, and test weight information collected and recorded for each individual strip.
- Grain moisture taken and corn grain yields adjusted to 15.5% moisture.
- Evaluate crop standability when harvesting each strip and document.
- Harvest Data Information submitted to local NRCS Field Office.

Compensation

- Certified Adviser works with client to determine method and amount of reimbursement for his or her services.

Establishing the Field Design—Nitrogen

1. Other nutrient applications (P & K), varietal selection, pest management, tillage operations, and other variables must remain constant across entire demonstration site and are at the participants discretion. The only difference between the NRCS Nitrogen Guideline Strips and normally applied rate strips will be N.
2. Fertilizer applications applied with calibrated equipment.
3. Application rates determined by farmer and certified adviser. Final application rates applied verified by certified adviser.
4. 2 Nitrogen (N) application rates plus 0 base-line rate for N sites. Rates to include NRCS nitrogen guidelines compared to farmers normal applied rate.
5. Each N rate replicated minimum of 3 times in alternating strips.
6. Zero rate strips can consist of segments 100 to 200' long located directly adjacent on each side of demonstration site. Only one swath width of application equipment required as long as it is wider than harvest equipment.
7. Minimum N rate strip length of 600' to as much as ½ mile long
8. Strip width must be consistent with fertilizer application equipment with a **minimum** of 40 feet wide.

0 Rate Strip 100'-200' X 1 swath width

Nitrogen Strip Design

NRCS Nutrient Guidelines
Normally Applied Application Rate
NRCS Nutrient Guidelines
Normally Applied Application Rate
NRCS Nutrient Guidelines
Normally Applied Application Rate

0 Rate Strip 100'-200' X 1 swath width

Nitrogen Application Guidelines for NRCS Strips

- **Form:**
  1. Commercial nitrogen source at discretion of producer.
  2. All nitrogen sources (*Ex.* MAP, DAP, liquid starters etc.) must be accounted for in final nitrogen application rates.
  3. Anhydrous Ammonia only for fall applications *(Southeast Minnesota no fall N).*
- **Timing and Placement:**
  4. A farm can have a fall applied site, a spring applied site, or split application site but not in combination within the same site. Timing will be held constant across a site relative to season of application.
  5. If split applications—one of the applications must be varied, all other applications must be constant.
  6. Fall AA applications will be delayed until the soil temperature remains below 50^{o} F at a 6-inch depth. (normally after Oct. 29).
  7. Use a nitrification inhibitor with fall and pre-plant nitrogen applications if soils are poorly drained and soil moisture levels are high near the surface.
  8. Side-dress application before corn reaches a 12 inch height.
  9. Spring Pre-plant Urea and/or UAN applications incorporated within 3 days on NRCS strips
  10. Side-dress or split applications of urea and UAN injected or incorporated to minimum depth of 4 inches or incorporated immediately with precipitation.

11. **Follow applicable statewide and regional nitrogen BMP's.**
    FO-6125-GO *Best Management Practices for Nitrogen Use Statewide in Minnesota*
    http://www.extension.umn.edu/distribution/cropsystems/DC6125.html
    FO-06127-GO Best Management Practices for Nitrogen Use in South-Central Minnesota
    http://www.extension.umn.edu/distribution/cropsystems/DC6127.html
    FO-06126-GO Best Management Practices for Nitrogen Use in Southeastern Minnesota
    http://www.extension.umn.edu/distribution/cropsystems/DC6126.html

■ Nitrogen Rate Guidance for NRCS strips on N Demonstration Sites:

Allow 30 Pound N Rate Difference Between Treatment A & Treatment B Comparisons

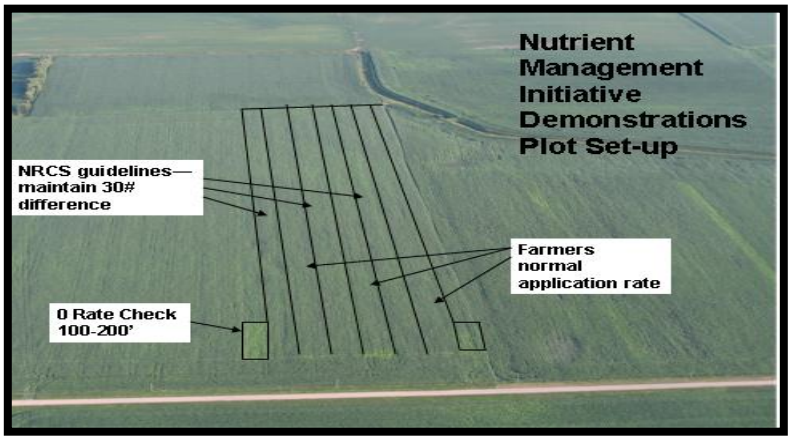
1. Maintain a 30 pound rate difference between farmer's normal rate strips (Treatment B) and NRCS rate strips (Treatment A).
2. Use table 1 to select rates on NRCS strips (treatment A).
3. Selected N rates for respective treatment A or B strips will remain constant across all replications of the respective treatment.

Table 1. NRCS Nitrogen Guidelines (Treatment A)

Previous Crop Grown in 2007	Nitrogen Rates Lbs. N to apply per acre **Must account for all nitrogen sources*
soybeans	100-140 pounds of N per acre
corn	140-180 pounds of N per acre

■ Soil Tests

1. Complete an approved soil test submitted to an MDA approved lab for pH, organic matter, P and K.
2. Current soil test sampled on or after September 15, 2007 and must be representative of demonstration site location.
3. 1 composite sample per 20 acres of treatment using NRCS sampling guidance.
   http://www.mn.nrcs.usda.gov/technical/ecs/nutrient/plant%20nutrient/mnnutr3.pdf



Web address: **www.mda.state.mn.us/protecting/soilprotection/nmi.htm**

Establishing the Field Design—Phosphorus Demonstrations

1. **Comparisons conducted on high or very high testing P soils**. Soil Test Phosphorous (P) levels must be ≥ 16 ppm Bray P1 (12 Olsen) and existing soil test K levels should be ≥ 121 ppm.
2. Field design requires 2 phosphorous (P) application rates. Rates to include NRCS phosphorous guidelines compared to farmers normal applied rate.
3. Each P rate replicated minimum of 3 times in alternating strips.
4. Minimum P rate strip length of 600' to as much as ½ mile long
5. Strip width must be consistent with fertilizer application equipment with a minimum of 40 feet wide.
6. All other variables including nitrogen management must remain constant using farmers' current management practices across entire site (NRCS strips and normally applied farmer strips).

- **Nitrogen rate must remain constant on all strips and must account for all nitrogen sources (Example MAP, DAP, starter nitrogen contributions)**

Phosphorous Strip Design

NRCS Nutrient Guidelines
Normally Applied Application Rate
NRCS Nutrient Guidelines
Normally Applied Application Rate
NRCS Nutrient Guidelines
Normally Applied Application Rate

NRCS Phosphorous Application Guidelines

■ **Soil Tests**:

1. Complete an approved soil test submitted to an MDA approved lab for pH, organic matter, P and K.
2. Current soil test **for each strip** sampled on or after September 15, 2007 and representative of demonstration site location.
3. 1 composite sample per 20 acres of treatment using NRCS sampling guidance.
   http://www.mn.nrcs.usda.gov/technical/ecs/nutrient/plant%20nutrient/mnnutr3.pdf

■ **Form**

1. Form is up to farmers' discretion. **No manure P sources.**
2. Form must be constant within each replicated strip. *Example DAP, MAP, 10-34-0 etc*.

■ **Timing and Placement**

1. Timing will be at farmers' discretion. Do not surface apply without incorporation where run-off to surface waters is a possibility.
2. Up to 2 year's P can be applied at the same time in corn-soybean rotation.
3. Fertilizer applications applied with calibrated equipment.
4. Other nutrient applications rates, varietal selection, pest management, tillage operations, and other variables must remain constant across entire site.
5. Application rates determined by farmer and certified adviser. Final application rates verified by certified adviser.

■ **Phosphorous Rate Guidance on NRCS Guideline strips**

Web address: **www.mda.state.mn.us/protecting/soilprotection/nmi.htm**

1. Selected plots should have ≥ 16 ppm Bray P1 or ≥ 12 Olsen STP. Accordingly low or no broadcast application is recommended by NRCS on NRCS guideline strips and no banded applications for soybeans are recommended.
2. 10-15 pounds row applied starter is allowed on NRCS corn strips regardless of soil test level if producer strips will also have banded applications applied to them.
3. Applications on corn for both the corn and soybean year cannot exceed the total amount recommended for both crops.

Table 3. NRCS Phosphorous Application Guidelines for Corn

Soil test P (ppm)				
	high		**v. high**	
Bray:	16-20		21+	
Olsen:	12-15		16+	
Expected Yield	Bdcst	Band	Bdcst	Band
---------- *P_2O_5 /acre to apply (lb/acre)* ----------				
< 100	10	10-15	0	10-15
100 – 124	10	10-15	0	10-15
125 – 149	10	10-15	0	10-15
150 – 174	15	10-15	0	10-15
175 – 199	15	10-15	0	10-15
200 +	15	10-15	0	10-15

***Use one of the following equations if a P_2O_5 recommendation for a specific soil test value and a specific expected yield is desired.**

$P_2O_{5\ Rec}$ = [0.700 - (.035)(Bray, ppm)](Expected Yield)*
$P_2O_{5\ Rec}$ = [0.700 - (.044)(Olsen, ppm)](Expected Yield)*
Negative values when using the equation indicate no P needed.

NRCS Phosphorous Application Guidelines for Soybeans
- ***medium to high soil testing phosphorous soils is 0 recommended***

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Crop Management Information Form
Submitted by July 1, 2008

Certified Adviser: Submit completed Crop Management Information Form and accompanying information to: Local NRCS Office by July 1, 2008

Applicant (Grower) Name:	Crop Advisor Name:
Company/Farm Name:	Company Name:
Address:	Address:
City: State: ZIP:	City: State: ZIP:
Office Phone: Cell Phone:	Office Phone: Cell Phone:
e-mail address:	e-mail address:
	Prof. Certification & Number:

All acres within the demonstration site must be managed in the same manner including the same prior crop, nutrients applied (except for N on N comparison strips and P_2O_5 on P_2O_5 comparison strips), variety planted, tillage, irrigation and pest management practices.

Field Location: County_____ Township_____ Section Number_____

Subsection_____ Total Field Acres_____ Demonstration Site Acres_____
(Ex. SW ¼ of SE ¼)

Hybrid planted**:**_____ Planting Date: _____ Population_____

Planter model and size:_____Row width of planter: _____in.

Type of Demonstration Site:

Indicate: ☐ Nitrogen Demo Site ⟶ ☐ Fall **or** ☐ Spring Applied N
☐ **New Corn site or** ☐ 2nd or 3rd year continuation site on corn
☐ Phosphorous Demos Site
☐ **New Corn site or** ☐ 2nd or 3rd year continuation site on corn or soybeans

Manure or alfalfa history in past 5 years: ☐ Yes ☐ No

Tillage History: ☐No Till ☐Fall Only ☐Spring Only ☐Both Fall and Spring ☐ Strip Till
Explain:_____

Previous Crop History	2007	2006	2005
Crop			
Yield			

Soils Information:

1. ***Submit copy of soil test with Crop Management Information.***

Soil Test Results	
Strip Number	
Date Sampled	
Lab	
Organic Matter	
pH	
Buffer pH	
Phosphorus Bray P1 ppm	
Phosphorus Olsen ppm	
Potassium ppm	

Nitrogen and Phosphorus sites: Minimum strip length of 600' to as much as ½ mile long. Strip width size – must be consistent with fertilizer application equipment width and minimum of 40 feet wide.

Nitrogen Only: Zero rate strips can consist of segments 100 to 200' long located directly adjacent and on each side of demonstration site. Only one swath width of application equipment required as long as it is wider than harvest equipment.

Treatment A—**NRCS Guideline Application***					**Total Plant Food/Acre**				
Nutrient Source	Cost per ton	Rate/Acre	Application Date	Timing/ Placement	N total lbs./A	P2O5 total lbs./A	K2O total lbs./A	Sulfur	Zinc
				Total					

Treatment B—**Farmer Comparison Application***					**Total Plant Food/Acre**				
Nutrient Source	Cost per ton	Rate/Acre	Application Date	Timing/ Placement	N total lbs./A	P2O5 total lbs./A	K2O total lbs./A	Sulfur	Zinc
				Total					

***** P2O5 and K2O total pounds should be the same for Treatment A and B on N demonstration sites; and N and K2O rates should be the same for Treatment A and B on P2O5 demonstration sites.

2007 Pesticide Application History:

Application	#1	#2	#3	#4
Application Date				
Product Name				
Rate per Acre				

Other Notes: *Were there any mistakes during the application of treatment A or B (If yes explain below)* ☐ Yes ☐ No

Important: *Submit a copy of an aerial photo showing strip locations.*
Crop advisor must validate the check strip locations with flags, markers, or other identifiable means. (Markers must be identifiable at time of harvest)

Strip Number:

1	Strip width:_____ft.	Length (exclude end rows):_____ft.
2	Strip width:_____ft.	Length (exclude end rows):_____ft.
3	Strip width:_____ft.	Length (exclude end rows):_____ft.
4	Strip width:_____ft.	Length (exclude end rows):_____ft.
5	Strip width:_____ft.	Length (exclude end rows):_____ft.
6	Strip width:_____ft.	Length (exclude end rows):_____ft.

7 Zero Rate strip width: _____ft. 8 Zero Rate strip length:_____ ft.

Demonstration site location and identification

Optional: GPS Coordinates ***Include locations on an accompanying sheet***

Verification: I have completed the nutrient management recommendation and completed Crop Management Information for this demonstration site following the procedures outlined in the Nutrient Management Initiative Protocol.

Signed by _____Date: _____

(Certified Adviser

Verification: I have completed all field operations for this demonstration site following the procedures outlined in the Nutrient Management Initiative Protocol.

Signed by _____Date: _____

(Participating Farmer)

Submit to your local NRCS Field Office

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Harvest Data Information Protocol

- Compensation for participation only. NRCS makes no other guarantees for economic losses as a result of participating with this demonstration project.
- Certified adviser must be present at harvest, verify, and document yield information.
- Yield information collected and recorded for each individual strip.
- Harvest after crop has reached physiological maturity (black layer).
- All crop harvested by same equipment.
- Avoid harvesting areas within strips with variable harvest populations. (Example, missing rows, cultivator blight, wind damage, insect damage)
- Grain weight determined using same weighing equipment. (load cells, platform scales, etc.)
- (Optional) submit yield monitor data along with yield information.
- One combine width harvested from entire length of each replicated strip. One combine width must be harvested for each 40' width within each replication. **Do not** harvest areas where applications do not match crop rows.
- Certified adviser must insure combine separator and grain tank is empty prior to and after harvesting each strip.
- Grain moisture taken and corn grain yields adjusted to 15.5% moisture.
- Estimate lodging when harvesting each strip and document. Score using a scale of 1-5 with 1 best to 5 worst.

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Harvest Data Information Form
Submitted by December 1, 2008

Certified Adviser: Submit completed Harvest Data Information Form and accompanying information to: local NRCS Office.

Applicant (Grower) Name:	Crop Advisor Name:
Company/Farm Name:	Company Name:
Address:	Address:
City: State: ZIP:	City: State: ZIP:
Office Phone: Cell Phone:	Office Phone: Cell Phone:
e-mail address:	e-mail address:
	Prof. Certification & Number:

Harvest Data Results

*One combine width harvested from <u>entire</u> length of each replicated strip. One combine width must be harvested for each 40' width within each replication. **<u>Do not</u>** harvest areas where applications do not match crop rows.*

Strip Number	Type of Treatment (Include rate N or P)	Strip Length ft.	# of Rows Harvested	Moisture %	Test Weight	Harvest Weight	Lodging Score *1 best 5 worst*	Adjusted Yield
	0 Rate (N demo)							
1								
2								
3								
4								
5								
6								
	0 Rate (N demo)							

Corn Grain Yield Formula—Conversion to 15.5% moisture

Grain Yield = (100 – moisture) x (lbs. of grain) x (110.465) / (Row Length in feet) / (Row width in inches) / (Number of Rows)

Soybean Grain Yield Formula—Conversion to 13% moisture

Grain Yield= (100 – moisture) x (lbs. of grain) x (100.138) / (Row Length in feet) / (Row width in inches) / (Number of Rows)

Harvest Equipment: _____

Header Width _____ **Rows or Feet** **Row Spacing Inches** _____

Yield Monitor Data Available: ☐Yes ☐No ***Please submit yield monitor data if available.***
Yield Monitor ☐Agleader ☐Case AFS ☐Apex/Greenstar ☐MicroTrak ☐Other

Weigh Wagon Operator Verification *(optional)*:
I verify the harvest data supplied is correct to the best of my knowledge.

Signed by _____ Date: _____

Crop Advisor Verification: I have completed the harvest data information submittal form and validate this information was collected following the procedures outlined in the harvest data protocol. I verify this information correct to the best of my knowledge.

Signed by _____ Date:_____

(Certified Adviser)

Participating Farmer Verification: I have completed the harvest data information submittal form and validate this information was collected following the procedures outlined in the harvest data protocol. I verify this information correct to the best of my knowledge.

Signed by _____Date: _____

(Participating Farmer)

Submit to your local USDA-NRCS Field Office.